RadioLINK Base

MAINS POWERED 230V~

Radio Frequency Communication

Model Ei168RC Base

- **Designed for use with 'RC' alarms**
- **Allows control of alarm (when using Ei411H/Ei410)**
- **RF wireless interconnect**
- **Unique house-coding feature**
- **'Smart' System Coding Check**
- **Multiple signal repeater**
- **Visual RF transmission indicator**
- **Advanced suppression and calibration technology**
- **Radio transmitter and receiver in each base**
- **Easi-fit design construction**
- **Tamper-proof rechargeable Lithium battery back-up**
- **Low power cell warning**
- **RF performance to EN300220-3**
- **EMC performance to EMC 301489-3**
- **5 year guarantee**

Product Description

The Ei168RC RadioLINK Base transmits a radio frequency (RF) alarm signal when the unit attached to it senses fire. When it receives an RF signal from another Ei168RC Base, the attached alarm will sound. It therefore eliminates the need to install long interconnect wires between all the alarms on different floors in different rooms.

The Ei168RC RadioLINK Base is designed for use with the 'RC' range of Easi-fit mains powered alarms. This allows system control when used with the optional Ei411H3 RadioLINK Remote Control Switch. System Test, Hush and Alarm Locate functions are all easily performed from floor level.

The Ei168RC itself is also mains powered and has rechargeable Lithium cells for back-up in the event of mains failure.

The unit also has "multiple repeater" transmission - . This provides multiple signal paths for a stronger RF system and can also increase the system range. The RF range can also be improved by adjusting the wire antenna.

The Ei168RC has built in circuitry to aid suppression of voltage transients and interference.

Operation

- In normal standby mode the amber indicator will light to indicate transmission of an RF signal
- In house-code mode, the amber indicator will flash to indicate the number of RF units with which it will communicate[1]
- After house-coding all units together, the amber indicator will continue to flash (to indicate the number of units "house-coded") until the house code switch is activated on one of the units. The units that have successfully coded will then stop flashing the amber indicator, allowing easily visual checking of correct system set-up.
- The red indicator on the alarm attached to the Ei168RC Base will flash rapidly to show an alarm condition for the smoke/heat alarm
- The amber light will flash every 10 seconds if the battery back up is depleted

1. *Please contact us if you are intending to install a system of more than twelve units.*

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.

Model Ei168RC Base

Technical Specification

Sensor	N/A
Supply Voltage:	230V AC, 50Hz
Battery back-up:	10Yr+ Rechargeable Lithium cells
RF Range[2]:	150 metres in free space
Range Improvement:	Adjustable antenna
RF Visual Indicator:	Amber light flashes continuously for 1.5 to 3.5 seconds while transmitting RF signal
RF Frequency:	868.499MHz (1% duty cycle)
RF Power:	+5dBm
Dimensions:	150mm diameter x 19mm depth
Weight:	172g

Power-On Indicator:	Continuous green LED on the attached mains powered alarm
Alarm characteristics:	Available in the attached alarm
Temperature Range:	0^0 to 40^0 C
Humidity Range:	15% to 95% Relative Humidity
Interconnect:	Up to 12 RadioLINK bases
Optional Controls:	**-** Ei407 Manual Call Point **-** Ei410 Remote Control Key fob - Ei411H3 Remote Control Switch
Plastic material:	UL94VO flame retardant
Guarantee:	5 year (limited)
Approvals:	RF performance to EN300220-3 EMC performance to EMC 301489-3

2. *Any obstructions of any sort will result in a reduction in range from the free space specification. As such, the actual range will vary depending on installation.*

Specifications are subject to change

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